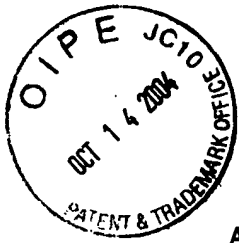


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Docket No. 011361-00064

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT:** Shen et al.  
**SERIAL NO.:** 10/621,999  
**FILED:** July 17, 2003  
**REISSUE OF PATENT NO.:** 5,573,648  
**FOR:** Gas Sensor Based on Protonic Conductive Membranes

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**STATUS INQUIRY**

The undersigned hereby requests to be informed of the status of the above-identified application. The on-line "PAIR" system of the U.S. Patent & Trademark Office returns an error message when queried with respect to this serial number 10/621,999. Accordingly, in view of this apparent evidence of possible confusion in the filing records of the United States Patent and Trademark Office, Applicant includes herewith a complete copy of all papers filed in the application.

Specifically, the items included herewith are listed on Attachment A to this paper.

Included with the enclosed papers is a copy (both sides) of the Filing Receipt Postcard received from the U.S. Patent & Trademark Office for this reissue application. It can be seen on the Filing Receipt Postcard that the

Status Inquiry  
Reissue of U.S. Patent No. 5,573,648  
Page 1 of 4

reissue application was received by the U.S. Patent and Trademark Office and assigned U.S. Serial No. 10/621,999.

Applicant wishes to make special mention of the previous filing in this reissue application of a Petition For Official Filing Receipt. A copy of Applicant's Petition For Official Filing Receipt is included in the enclosed papers. Notably, the Petition For Official Filing Receipt was filed more than ten (10) months ago, specifically, on 24 November 2003.

Applicant notes that the Fee Transmittal included with the Petition For Official Filing Receipt was inadvertently dated 24 November 2004. Accordingly, a Renewed Petition For Official Filing Receipt is filed concurrently herewith, including a fresh Fee Transmittal.

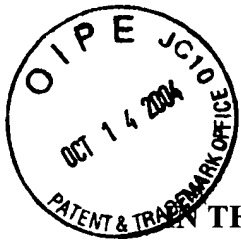
This application is for reissue of previously issued U.S. Patent No. 5,573,648. In a Statement Under 37 C.F.R. § 1.178(b) filed by Applicant in this application on 17 July 2003, the U.S. Patent & Trademark Office was informed that the same patent is currently the subject of an ongoing reexamination proceeding, specifically, reexamination application 90/006,208. That reexamination application is currently on appeal before the Board of Patent Appeals and Interferences.

Respectfully submitted,



Peter D. McDermott (Reg. No. 29,411)  
Attorney for Applicant  
Banner & Witcoff, LTD  
Customer No. 22910

Date: October 14, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**APPLICANT:** Shen et al.  
**SERIAL NO.:** 10/621,999  
**FILED:** July 17, 2003  
**REISSUE OF PATENT NO.:** 5,573,648  
**FOR:** Gas Sensor Based on Protonic Conductive Membranes

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**Attachment A To Status Inquiry**

The following is a complete listing of copies submitted with this Status Inquiry.

**Papers Filed July 17, 2003**

Express Mail Label No. EV 323344585 US, date stamped 7/17/03 (1 pg);  
Both front and back of Return Receipt Postcard showing  
the U.S. PTO stamp dated 07/17/03 and Serial No. 10/621,999 (1 pg.);  
Certificate of Express Mail (2 pgs.);  
Reissue Application Transmittal Letter (2 pgs.);  
Reissue Application Fee Transmittal Form (1 pg.) & (Duplicate);  
Power of Attorney or Authorization of Agent Form (2 pgs.);  
Reissue Application Declaration by the Assignee (8 pgs.);  
Chart showing differences in Claim Language between Original Patent  
Claims and the presented Reissue Claims (395 pgs.);  
Reissue Application Consent of the Assignee (1pg.);  
Certificate under 37 C.F.R. § 3.73(b) (11 pgs.);  
Preliminary Amendment (25 pgs.);  
Specification, Figures and Claims of U.S.  
Patent No. 5, 573,648 (18 pgs.); and  
Statement under 37 C.F.R. § 1.178(b) (2 pgs.)

**Papers Filed July 25, 2003**

Express Mail Label No. EV 323344841 US, date stamped 7/25/03 (1 pg);  
Both front and back of Return Receipt Postcard showing  
the U.S. PTO stamp dated 07/25/03 (1 pg.);  
Certificate of Express Mail (1 pg.);  
Information Disclosure Statement (2 pgs.); and  
PTO 1449 Form (1 pg.)

**Papers Filed August 7, 2003**

Express Mail Label No. EV 323344909 US, date stamped 8/07/03 (1 pg);  
Both front and back of Return Receipt Postcard showing  
the U.S. PTO stamp dated 08/07/03 (1 pg.);  
Certificate of Express Mail (1 pg.);  
Supplemental Information Disclosure Statement (2 pgs.); and  
PTO Form 1449 (1 pg.)

**Papers Filed November 25, 2003**

Express Mail Label No. EV 396912764 US, date  
stamped 11/25/03 (1 pg.);  
Both front and back of Return Receipt Postcard showing  
the U.S. PTO stamp dated 11/25/03 (1 pg.);  
Petition For Official Filing Receipt (2 pgs.); and  
Fee Transmittal for FY2004 (1 pg.) & (Duplicate)

**Papers Filed January 13, 2004**

Express Mail Label No. EV 396913566 US, date  
stamped 01/13/04 (1 pg);  
Both front and back of Return Receipt Postcard showing  
the U.S. PTO stamp dated 01/13/03 (1 pg.);  
Certificate of Express Mail (1 pg.);  
Supplemental Information Disclosure Statement (2 pgs.); and  
PTO Form 1449 (1 pg.)

Commissioner for Patents, P.O. Box 1450, Mail Stop Reissue  
Alexandria, VA 22313-1450  
Applicant(s): Shen et al  
US Patent No: 5,573,648  
Title: Gas Sensor Based on Protonic Conductive Membranes

Atty. PDM  
Docket No.: 011361.00064  
Issue Date: 11/12/96

The following has been received in the U.S. Patent and Trademark Office on the date stamped hereon:

☒ Certificate of Express Mail 2 pages        Amendment/Response        pages

☒ Reissue Application Fee Transmittal Form 1 pg (duplicate)

☒ Other Reissue Application Transmittal Letter (2pgs), Power of Attorney or Authorization of Agent Form (2pgs), Reissue Application Declaration by the Assignee (8pgs), Chart Showing Differences in Claim Language between the Original Patent Claims and the Presented Reissue Claims (395pgs), Reissue Application Consent of the Assignee (1pg), Certificate Under 37 C.F.R. § 3.73(b) (11pgs), Preliminary Amendment (25pgs), Copy of Specification, Figures and Claims of US Patent No. 5,573,648 (18pgs), and Statement Under 37 C.F.R. § 1.178(b) (2pgs)

Fee Enclosed:        Debit Deposit Acct. No. 19-0733 for \$1,350.00

Exp. Mail Receipt No. EV3323344585US

Mailed: RC: 7/17/03 Client: Dura (11361)

Respectfully submitted,  
BANNER & WITCOFF, LTD.



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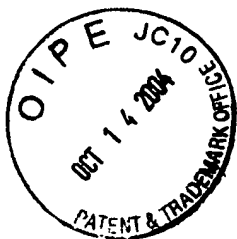
JUL 31 2003

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BOSTON

19704 U.S. PTO  
10/621999  
07/17/03



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Docket No. 011361-00064

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Dear Sir:

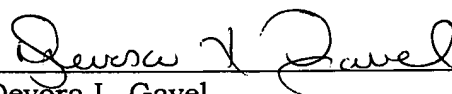
**CERTIFICATE OF EXPRESS MAIL**

"Express Mail" Label No. **EV 436 814 334 US**  
Date of Deposit: **October 14, 2004**

I hereby state that the following:

1. Status Inquiry (4 pages).
2. Copy of both front and back of Filing Receipt Postcard received from the U.S. Patent & Trademark Office for this reissue application. (1 page).
3. Copy of all Documents listed on Attachment A (494 pages).
4. Return Receipt Postcard.

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Devora L. Gavel  
BANNER & WITCOFF LTD  
28 State Street, 28th Floor  
Boston, MA 02109  
(617) 720-9600

Status Inquiry  
Reissue of U.S. Patent No. 5,573,648